

**CLAIMS:**

What is claimed is:

5           1.     A method of accessing a study record taken during a cardiac catheterization procedure, the procedure being conducted in a cardiac catheterization lab, comprising the acts of:

10           (a)    inserting at least one catheter into a patient comprising a heart, the catheters terminating in a position proximate to the heart and comprising one or more sensors configured to sense data from the heart;

             (b)    stimulating the heart with electrical signals from the catheter;

15           (c)    sensing data from the heart;

             (d)    transmitting the data from the sensors to a data collection device;

20           (e)    transmitting the data from the data collection device to a central publisher;

             (f)    replicating the data;

25           (g)    transmitting the replicated data from the central publisher to a plurality of client workstations; and

             (h)    simultaneously displaying the data on the plurality of client workstations.

30           2.     The method, as set forth in claim 1, wherein the catheterization procedure comprises an electrophysiology procedure.

3. The method, as set forth in claim 1, wherein the catheterization procedure comprises an ablation procedure.

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4. The method, as set forth in claim 1, wherein the central publisher comprises a server.

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5. The method, as set forth in claim 4, wherein the server is located locally with respect to the cardiac catheterization lab.

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6. The method, as set forth in claim 1, wherein the central publisher is located within the cardiac catheterization lab.

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7. The method, as set forth in claim 1, wherein each of the plurality of client workstations comprises a display monitor.

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8. The method, as set forth in claim 1, wherein act (c) comprises the act of sensing electrical data from the heart.

9. The method, as set forth in claim 1, wherein act (c) comprises the act of sensing hemodynamic data from the heart.

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10. The method, as set forth in claim 1, wherein act (h) comprises simultaneously displaying the data on the plurality of client workstations during the cardiac catheterization procedure.

11. The method, as set forth in claim 1, wherein act (h) comprises simultaneously displaying the data on a plurality of client systems during the procedure, wherein at least one of the plurality of client workstations is located remotely with respect to the cardiac catheterization lab.

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12. The method, as set forth in claim 1, wherein act (h) occurs in real time.

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13. A method of accessing a study record taken during a cardiac catheterization procedure, the procedure being conducted in a cardiac catheterization lab, comprising the acts of:

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(a) transmitting data from a catheter to a data collection device;

(b) transmitting the data from the data collection device to a central publisher;

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(c) replicating the data;

(d) transmitting the replicated data from the central publisher to a plurality of client workstations; and

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(e) simultaneously displaying the data on the plurality of client workstations.

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14. The method, as set forth in claim 13, wherein the catheterization procedure comprises a electrophysiology procedure.

15. The method, as set forth in claim 13, wherein the catheterization procedure comprises an ablation procedure.

5 16. The method, as set forth in claim 13, wherein the central publisher comprises a server.

10 17. The method, as set forth in claim 16, wherein the server is located locally with respect to the cardiac catheterization lab.

15 18. The method, as set forth in claim 13, wherein the central publisher is located within the cardiac catheterization lab.

19. The method, as set forth in claim 13, wherein each of the plurality of client workstations comprises a display monitor.

20 20. The method, as set forth in claim 13, wherein act (a) comprises the act of transmitting electrical data.

25 21. The method, as set forth in claim 13, wherein act (a) comprises the act of transmitting hemodynamic data.

30 22. The method, as set forth in claim 13, wherein act (e) comprises simultaneously displaying the data on the plurality of client workstations during the cardiac catheterization procedure.

23. The method, as set forth in claim 13, wherein act (e) comprises simultaneously displaying the data on a plurality of client workstations during the procedure, wherein at least one of the plurality of client workstations is located remotely with respect to the cardiac catheterization lab.

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24. The method, as set forth in claim 13, wherein act (e) occurs in real time.

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25. A system comprising:

a device configured to perform an electrophysiology procedure and further configured to produce data as a result of the electrophysiology procedure;

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a data acquisition workstation electrically coupled to the device and configured to the acquire data produced during the electrophysiology procedure; and

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a plurality of client workstations coupled to the data acquisition workstation and configured to receive the data from the data acquisition workstation.

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26. The system, as set forth in claim 25, wherein at least one of the plurality of client workstations is located remotely with respect to the cardiac catheterization lab.

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27. The system, as set forth in claim 25, wherein each of the plurality of client workstations comprises a monitor configured to display digital data.

28. The system, as set forth in claim 25, wherein the system is further configured to simultaneously display the data on the plurality of client workstations.

5 29. The system, as set forth in claim 25, further comprising a publisher coupled to the data acquisition workstation and further coupled the plurality of client workstations and configured to receive the data from the data acquisition workstation during the electrophysiology procedure and further configured to transmit the data to the plurality of client workstations during the  
10 electrophysiology procedure.

30. The system, as set forth in claim 29, wherein the plurality of client workstations is coupled to the publisher through a server.  
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31. The system, as set forth in claim 29, wherein the plurality of client workstations is coupled to the publisher via a satellite link.  
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32. The system, as set forth in claim 29, wherein the publisher comprises a server.